

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Paul A. Kline Confirmation No.: 6345

Application No.: 09/912,633 Group Art Unit: 2872

Filing Date: July 25, 2001 Examiner: Boutsikaris, Leonidas

For: METHOD AND APPARATUS FOR PROVIDING INDUCTIVE COUPLING

AND DECOUPLING OF HIGH-FREQUENCY, HIGH-BANDWIDTH DATA SIGNALS DIRECTLY ON AND OFF OF A HIGH VOLTAGE POWER LINE

EXPRESS MAIL LABEL NO: EV 325638358 US DATE OF DEPOSIT: September 22, 200\$\footnote{5}\$

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or

In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of §180.00 as set forth in § 1.17(p).

Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

In view of the voluminous nature of references [list as appropriate],
and the likelihood that these references are available to the Examiner,
copies are not enclosed herewith.
In accordance with § 1.98(d), copies of the following references listed
on the attached Form PTO-1449 are not enclosed herewith because
they were previously cited by or submitted to the U.S. Patent and
Trademark Office in patent application(s) for which a claim for priority
under 35 U.S.C.§ 120 have been made in the instant application:
Copies of references [list as appropriate] listed on the
attached Form PTO-1449 were previously cited by or submitted
to the Patent and Trademark Office in prior Application No.
, filed .

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

An English language abstract has been provided for those listed references which are not in the English language.

Date: September 22, 2003

Vincent J. Roccia Registration No. 43,887

WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

SEP 2 2 2003

Sheet 1 of 6

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Docket No.	Serial No
CRNT-0020	Serial No. 09/912,63

Applicant
Paul A. Kline

Filing Date Group July 25, 2001 2872

Group % 2872

U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	243	1,547,242	07/28/25	M. E. Strieby		
·	244	2,577,731	12/11/51	F. C. Berger	179	2.5
-	245	3,369,078	2/13/68	Stradley	179	2.5
	246	3,696,383	10/03/72	Oishi et al.	340	310
•	247	3,846,638	11/05/74	Wetherell	307	3
	248	3,973,087	08/03/76	Fong	179	170 R
•	249	3,993,989	11/23/76	Held et al.	340	310 R
<u></u>	250	4,053,876	10/11/77	Taylor	340	253 H
•	251	4,263,549	04/21/81	Toppeto	324	127
	252	4,359,644	11/16/82	Foord	307	40
	253	4,367,522	01/04/83	Forstbauer et al.	363	137
	254	4,383,243	05/10/83	Krügel et al.	340	310 R
	255	4,409,542	10/11/83	Becker et al.	324	57 Q
	256	4,419,621	12/06/83	Becker et al.	324	51
	257	4,599,598	07/08/86	Komoda et al.	340	310 A
	258	4,471,399	09/11/84	Udren	361	64
	259	4,475,209	10/02/84	Udren	375	4
	260	4,479,033	10/23/84	Brown et al.	179	2.51
	261	4,517,548	05/14/85	Ise et al.	340	310 R

	1
EXAMINER	DATE CONSIDERED

Sheet 2 of 6

Form PTO-1449 Modified

List of Patent and Publications Cited by Applicant (Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Docket No.	Serial No
CRNT-0020	09/912,63

Applicant
Paul A. Kline

Filing Date Group **July 25, 2001 2872**

U. S. PATENT DOCUMENTS

Examiner		Document	Date	Name	Class	Subclass
<u>Initial</u>	1	No.	10/00/05		1.50	
	262	4,701,945	10/20/87	Pedigo	379	66
	263	4,724,381	02/09/88	Crimmins	324	127
	264	4,772,870	09/20/88	Reyes	340	310 R
	265	4,904,996	02/27/90	Fernandes	340	870.07
	266	4,912,553	03/27/90	Pal et al.	358	86
	267	5,068,890	11/26/91	Nilssen	379	90
	268	5,151,838	09/29/92	Dockery	340	310 R
	269	5,477,091	12/19/95	Fiorina et al.	307	66
	270	5,818,821	10/06/98	Schurig	370	293
	271	2002/0140547 A1	10/03/02	Litwin, Jr. et al.	340	310.01
	272	2002/0171535 A1	11/21/02	Cern	340	310.07
	273	2003/0062990 A1	04/03/03	Schaeffer, Jr. et al.	340	310.01
	274	2003/0067910 A1	04/10/03	Razazian et al.	370	352
	275	S. N. 10/625,280	07/23/03	Corcoran		
	276	S.N. 10/436,778	05/13/03	Giannini et al.		
	277	S.N. 10/434,024	05/08/03	Corcoran et al.		

r		 		
EXAMINE	E R			DATE CONSIDERED

	Form PTO-1449 Modified
(SIPE
SE	List of Patent and Pu Cited by Appli (Use several sheets if
, Φ	RADEMARKS (USO SEVERAL SILECTS IT

List of Patent and Publications Cited by Applicant Use several sheets if necessary)

U.S. Department of Commerce Patent and Trademark Office

Docket No. CRNT-0020

Serial No. 09/912,633

Applicant

Paul A. Kline

Filing Date July 25, 2001

Group 2872

FORE	IGN PAT	ENT DOCUMENTS
No.	Date	Country

Examiner		Document No.	Date	Country	Translation	
Initial	1				YES	NO
	278	0 141 673 A2	05/15/85	EP	X	
•	279	2 326 087	07/15/76	FR	X abstract only	
	280	1 548 652	07/18/79	GB	X	
	281	2 101 857 A	01/19/83	GB	X	
	282	84/01481 A1	04/12/84	WO	X	
	283	90/13950 A2	11/15/90	WO	X	
•	284	92/16920 A1	10/01/92	WO	X	



EXAMINER

DATE CONSIDERED

/	OIPE	•/
0	SEP 2 2 2003	18 H
N. C.	TRADEMARK.	3 /

TRADEMA						
Form	PTO-1449 Modified	Docket No.	Serial No.			
		CRNT-0020	09/912,633			
			£ 77			
List of	f Patent and Publications	Applicant	8 S S			
	Cited by Applicant	Paul A. Kline	6 5 9 1			
•	everal sheets if necessary)	1 441 110 111110	2 6			
(03030	overal sheets if heeessary)		CER TO THE			
ll o D	Contract of Comments	Eiling Doto				
	Department of Commerce	Filing Date	Group 🖫			
Paten	t and Trademark Office	July 25, 2001	2872 P			
			6			
ОТНЕ	R DOCUMENTS (Including Author	, Title, Date, Pertine	nt Pages, Etc.)			
285	LONWORKS Engineering Bulletin,	"Demand Side Manage	ement with			
	LONWORKS® Power Line Transce	ivers," December 199	6 , 36 pages			
286	LONWORKS Engineering Bulletin,	"Centralized Commerc	cial Building Applications			
j	with the LONWORKS® PLT-21 Por					
287	HomePlug TM Powerline Alliance, Hor					
	Specification, May 19, 2000, 109 page	-	ļ			
288	HomePlug TM Powerline Alliance, Home		ium Interface			
	Specification, November 28, 2000, 1	<u> </u>	İ			
289	HomePlug TM Powerline Alliance, Hor		Medium Interface			
•	Specification, July 27, 2000, 109 pag	_				
290		HomePlug™Powerline Alliance, HomePlug 1.01 Specification, December 1, 2001 ,				
1.	139 pages					
291	Summary of an IEEE Guide for Power-Line Carrier Applications, A Report by the					
	Power System Communications Com					
	and Systems, Vol. PAS-99, No. 6, No.	•				
292	De Wilde, W. R. et al., "Upwards to		nal Communication Link			
	on the LV Power Supplies for Utility					
293	Tanaka, M., "Transmission Character					
275	Communications at High Frequencies					
	February 1989, Vol. 35, No. 1, pp. 37		on consumer Executionies,			
294	Hasler, E. F. et al., "Communication		Conductor Overhead			
2)4	Power Lines," IEEE Transactions on					
	1975, Vol. PAS-94, No. 2, pp. 344-3		Systems, waters ripin			
295	IEEE Guide for Power-Line Carrier		FF Std 643-1980 ©1980			
2/3	by The Institute of Electrical and Ele					
296	Hatori, M. et al., "HOME INFORMA					
	HOME BUS," IEEE Transactions on					
	32, No. 3, pp. 542-549	Consumer Electronics	5, 11 ug ust 1500, 101. C2			
297	Hunt, J. M. et al., "Electrical Energy	Monitoring and Contro	ol System for the Home"			
291	IEEE Transactions on Consumer Electrical Energy					
	578-583	outomes, ragust 1700,	7 O. O. D. 32, 110. 3, pp.			
 298	Gutzwiller, F. W. et al., "Homenet: A	A Control Network for	Consumer Applications "			
298	IEEE Transactions on Consumer Elec					
	297-304	Luomes, August 1705,	Voi. CL-27, 140. 3, pp.			
	1 271-304					

ι -		 	 	 	 τ	· · · ·			·· · · · · · · · · · · · · · · · · ·	 	
E	XAMINER				DAT	TE C	ON	SIDERED)		

Sheet 5 of 6

	<u></u>			Sheet 5 01 0						
& TOLDENIA	Form	PTO-1449 Modified	Docket No. CRNT-0020	Serial No. 09/912,633						
	(f Patent and Publications Cited by Applicant everal sheets if necessary)	Applicant Paul A. Kline							
		Pepartment of Commerce t and Trademark Office	Filing Date July 25, 2001	Group 2872						
	ОТНЕ	R DOCUMENTS (Including Author	r, Title, Date, Pertine	nt Pages, Etc.)						
	299	Burrascano, P. et al., "Digital Signal An Introduction," IEEE Transactions 2, No. 1, pp. 50-56								
	300	Burr, A. G. et al., "Effect of HF Broat Telecommunications Above 1 Mhz,"								
•	301									
-	302	Loss of Power Line in Japan on Intra	se Power Spectrum, Impedance and Transmission trabuilding Power Line Communications," IEEE nics, May 1988, Vol. 34, No. 2, pp. 321-326 Line Model for High-Frequency Power Line IEEE, pp. 1290-1295							
	303									
•	304		Evaluation of Digital S	aluation of Digital Signal Transmission						
	305	DiClementi, D. A. et al., "Electrical I Characterization," ©1996 IEEE, pp. 1	Distribution System Po							
	306	Abraham, K. C. et al., "A Novel High Transactions on Power Delivery, Oct								
	307	BUS," IEEE Transactions on Consumer Electronics, August 1986, Vol. CE-32, No pp. 550-557								
	308	O'Neal, Jr., J. B., "The Residential FIEEE Transactions on Consumer Electrons of Consume								
	309	Written Opinion dated August 20, 20	, 2003, from PCT/US02/04310							

RECLIVED
SEP 29 200
FECHIOLOGY CENTER 2000

EXAMINER

DATE CONSIDERED



Form PTO-1449 Modified				Docket No.	Applica	tion No.	_			
2 0.				CRNT-0020		09/912,633				
	Cite	tent and Publiced by Applicant all sheets if nec		Applicant Paul A. Kline						
		artment of Com ad Trademark C		Filing Date July 25, 2001	Group 2872					
				Confirmation No. 6345						
			U. S. PATE	NT DOCUMENTS						
Examiner Initial		Document No.	Date	Name		Class	Subclass			
•	-		<u> </u>				 			
	-		 				<u> </u>			
<u>.</u>										
			_				TEO .			
	-		-				SEP 29 2003			
	-						6 50			
	-			<u> </u>			F 1003			
							R 2800			
							8			
		F	OREIGN PA	TENT DOCUMENT	rs		<u> </u>			
Examiner		Document	Data	Country	1		nslation			
Initial	310	No. 93/07693	Date 04/15/93	Country		YES	NO			
										
	 			· 	ļ					
	 		-							

© 2003 WW

—· · · · · · · · · · · · · · ·	 	 				·	
EXAMINER		DATE C	ONSI	DERE	D		